

<b>TRANSMITTAL LETTER TO THE UNITED STATES</b> <b>DESIGNATED/ELECTED OFFICE (DO/EO/US)</b> <b>CONCERNING A FILING UNDER 35 U.S.C. 371</b>		U.S. APPLICATION NO. Not Yet Assigned <span style="font-size: 1.5em; font-weight: bold;">09/980552</span>
INTERNATIONAL APPLICATION NO.  PCT/AU00/00362	INTERNATIONAL FILING DATE  April 26, 2000	PRIORITY DATE CLAIMED  April 23, 1999
TITLE OF INVENTION  Computerised Ordering System		
APPLICANT(S) FOR DO/EO/US  Ward and Gyaneshwar		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(l).</li> <li>4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19<sup>th</sup> month from the earliest claimed priority date.</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(C)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> have been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(C)(5)).</li> </ol>		
<b>Items 11. to 16. below concern document(s) or information included:</b>		
<ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input type="checkbox"/> A FIRST preliminary amendment.  <input type="checkbox"/> A SECOND OR SUBSEQUENT preliminary amendment.</li> <li>14. <input type="checkbox"/> A substitute specification.</li> <li>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li>16. <input checked="" type="checkbox"/> Other items or information:           <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Copy of PCT Notice Form PCT/IB/308 (2 pages)</li> <li><input checked="" type="checkbox"/> Copy of Substitute Sheets submitted under Article 34 (13 pages)</li> <li><input checked="" type="checkbox"/> Copy of International Preliminary Examination Report based in part on the enclosed Substitute Sheets submitted under Article 34 (4 pages)</li> <li><input checked="" type="checkbox"/> Copy of Published International Application (49 pages)</li> <li><input type="checkbox"/> Copy of Published International Application with Amended Sheets (Article 19)</li> </ul> </li> </ol>		

09/980552

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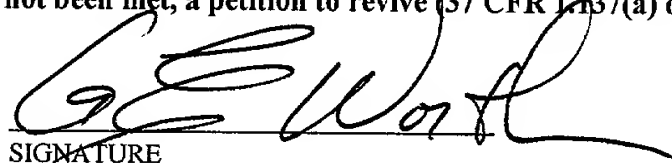
17. <input checked="" type="checkbox"/> The following fees are submitted:				<b>CALCULATIONS</b> PTO USE ONLY	
<b>BASIC NATIONAL FEE (37 CFR 1.492 (a)(1) – (5)):</b>					
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO.....				\$1040.00	
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO.....				\$890.00	
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO.....				\$740.00	
International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4).....				\$710.00	
International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4).....				\$100.00	
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				\$ 1040.00	
Surcharge of \$130.00 for furnishing the oath or declaration of later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	29 – 20 =	9	X \$18.00	\$162.00	
Independent claims	4 – 3 =	1	X \$84.00	\$84.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$260.00	\$ 0	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 1286.00	
Reduction of ½ for filing by small entity, if applicable. A Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28)				\$ 643.00	
<b>SUBTOTAL =</b>				\$643.00	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$ 0	
<b>TOTAL NATIONAL FEE =</b>				\$ 0	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 0	
<b>TOTAL FEES ENCLOSED =</b>				\$ 643.00	
				<b>Amount to be:</b>	\$
				<b>refunded</b>	
				<b>charged</b>	\$

- a. ☐ A check in the amount of \$643.00 to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 20-0531 in the amount of \$520.00 to cover the above fees.
- c. ☐ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 20-0531. A duplicate copy of this sheet is enclosed.

**NOTE:** When an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.437(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Patent Administrator  
Testa, Hurwitz & Thibault, LLP  
125 High Street  
High Street Tower  
Boston, MA 02110

  
SIGNATURE

Gerald E. Worth  
NAME

45,238  
REGISTRATION NUMBER

## COMPUTERISED ORDERING SYSTEM

### Technical Field

This invention relates to computerised systems for matching buyers and sellers of goods or services or both. More particularly it relates to a system which in  
5 preferred forms enables a prospective purchaser to place a single order or request for quotation with a centralised location and for the centralised location to provide the prospective purchaser with quotations from one or more suppliers which represent the best available price.

### Background Art

10 With the increasing popularity and accessibility of the Internet, many companies have made their catalogue of products or services available on the Internet. Many also provide on-line shopping systems whereby a purchaser may peruse items in the vendor's on-line catalogue and place an order electronically. However, this is functionally the equivalent of perusing a paper catalogue, selecting items and then  
15 placing an order. If one wishes to obtain the best price and/or availability for an item or items, it is still necessary to look at each vendor's electronic catalogue, select items and compare availability and prices.

A system has been proposed in which a prospective purchaser sends an order or request for quotation(s) to a central location. Based on criteria entered by the  
20 purchaser and/or suppliers, the order is passed to suppliers who meet the specified criteria. Those suppliers then prepare a quotation for the entire order and return it directly to the prospective purchaser or to the central location for forwarding to the prospective purchaser. Whilst such a system results in rapid provision of quotations, the purchaser must still review each quotation to determine the best  
25 price. Further, there is no provision for splitting of a single request for quotation.

**Disclosure of the Invention**

In the present invention, in one form, a central location has a database of goods and/or services available, suppliers, supplier prices and registered purchasers. A purchaser places an order or a request for a quotation with the central location for  
5 one or more items. The purchaser may specify one or more specific suppliers for the order or for the specific items of the order or may request a "best price" from all the suppliers. The supplier(s) may be specified before or after item selection. The central database is searched for the best price for each item and a list of items, suppliers and prices is returned to the prospective purchaser which represents the  
10 best price for all the specified items.

In one broad form the invention provides a computerised method for processing orders including:

- storing a master list of items, each of which represents a product or service;
- storing supplier details;
- 15 storing item sale terms for at least one of the items for at least one of the suppliers;
- extracting an available item sublist from the master list based on item selection criteria;
- selecting desired items from the item sublist and providing desired  
20 quantities of said selected items;
- selecting at least one supplier for each of the desired items based on supplier selection criteria, wherein said supplier selection criteria includes at least one of the following:

- 1) purchaser supplied criteria;

2) criteria extracted from item sale terms.

Orders may then be placed with the selected supplier or suppliers, who subsequently fulfil the order, supply the products to the purchaser and bill the purchaser.

- 5 The invention also provides a system for computerised processing of orders, the system including:

storage means for storing

a master list of items, each item representing a product or service;  
supplier details;

10 item sales terms for at least one of the items for at least one of the  
suppliers;

purchaser details, and

purchaser terms for at least one of the purchasers for at least one of  
the suppliers;

15 receiving means for receiving a purchaser identifier uniquely corresponding  
to one of the purchasers stored on the storage means;

item selection criteria generating means for generating item selection  
criteria

20 extraction means for extracting an item sublist from the master list based on  
the generated item selection criteria;

display means for displaying said item sublist to said purchaser;

input means for selecting one or more desired items on the item sublist and  
for specifying desired quantities of said selected items;

supplier selection criteria generating means for generating supplier selection criteria:

supplier selection means for receiving said desired item information and respective desired quantity information and said supplier selection criteria  
5 for selecting at least one supplier for each of the desired items, based on supplier selection criteria, said desired item information and respective desired quantity information,

wherein said supplier selection criteria includes at least one of the following:

- 10 1) purchaser supplied criteria;
- 2) criteria obtained from the stored item sales terms.

The item sale terms may include whether a particular supplier supplies the respective item, price levels, stock levels and other information such as freight charges, geographic limitations on supply, etc.

15 The item selection criteria may return all available items, whether in stock or not.

Purchaser details and purchaser terms for at least some of the stored purchasers for at least some of the stored vendors may also be stored and used as selection criteria for items and/or suppliers.

The purchaser terms for each vendor/purchaser combination may include whether  
20 the supplier will supply the purchaser, minimum orders, freight charges, sales terms, price bands, etc.

The item selection criteria may further include restrictions retrieved from the purchaser's purchase terms so as to restrict the items on the available item sublist

to those items available from suppliers who have indicated that they will supply the particular purchaser.

The supplier selection criteria may include restrictions retrieved from the purchaser terms. Preferably, the supplier selection criteria result in the selected supplier for a  
5 desired item being the supplier with the lowest price per unit of the item. The price may be the base price or it may be an effective price after allowing for freight, available discounts, bonuses, etc.

Where the supplier selection criteria includes purchaser supplied criteria, this may be a restriction to select a specific supplier, two or more suppliers, suppliers from  
10 geographic locations, delivery times, if this is provided for by the supplier's terms, etc.

The purchaser supplied criteria may also include criteria to obtain quotations from two or more suppliers for all items on the desired item list supplied by the respective supplier.

15 Again orders may then be placed with the selected supplier or suppliers, who subsequently fulfil the order, supply the products to the purchaser and bill the purchaser.

The invention also provides an on-line system which provides primary data to multiple users, the system including:

20 user identity means for storing user identity information relating to each of said users, at least part of which uniquely identifies each user from the other users;

primary data supply means for supplying one or more users with primary data;

secondary data selection criteria generating means for generating secondary data selection criteria for at least one user;

secondary data supply means for receiving said secondary data selection criteria and for supplying one or more of the users with secondary data  
5 concurrently or sequentially with the primary data;

recording means for recording data relating to the actions of at least one of the users supplied with said secondary data in the on-line system and for recording data relating to what secondary data was supplied to the or each of said respective users;

10 wherein said secondary data selection criteria includes information relating to the user identity information.

The invention also provides a method of obtaining information on users of an on-line system which provides primary data to users, the method including:

uniquely identifying users of the system with a unique identifier;

15 obtaining additional information relating to at least some of the users;

selecting and providing secondary data to users of the system concurrently or sequentially with the primary data;

recording information relating to actions of the users supplied with secondary data and information relating to what secondary data was  
20 supplied to each respective user;

wherein the secondary data supplied to each user is selected at least in part using the unique identifier and/or at least part of said additional information.

The system is preferably an on-line ordering system. The system may have multiple suppliers of goods and supplier details may be recorded in the system.



Where supplier information is stored, preferably the secondary data supplied to each user is selected utilising the supplier information. For example, all users whose address is within NSW may be provided with an advertisement relating to a supplier in Brisbane, if the Brisbane supplier wishes to increase its out of State sales.

It is to be understood that the word "product" and its derivatives and the word "item" and its derivatives include within their scope both physical objects, such as goods, and non physical objects, such as services

### **Brief Description of the Drawings**

- 10 The invention shall be better understood from a non-limiting description of preferred forms of the invention and the drawings, in which:

Figure 1 schematically represents the database and network of the present invention.

Figure 2 is a flow diagram of the steps involved in the system.

- 15 Figure 3 is a screen shot of a supplier's item form.

Figure 4 is a supplier's purchaser profile form.

Figure 5 is a screen shot of a purchaser's supplier selection form.

Figure 6 is a screen shot of a purchaser's item entry form.

Figure 7 is a purchaser's order summary form, showing multiple orders.

- 20 Figure 8 is a screen shot of a item pricing form

Figure 9 is a screen shot of an item form (not screen shot supplied).

Figure 10 is a screen shot of a supplier's delivery charges form.

Figure 11 is a screen shot of a supplier's form for selecting purchasers.

Figure 12 is a screen shot of a supplier's form for entering purchaser terms.

Figure 13 is a screen shot of a form for purchasers to select product categories.

Figure 14 is a screen shot of a form for purchasers to select suppliers.

5 Figure 15 is a screen shot of a form for creating custom lists.

Figure 16 is a screen shot of a form for purchasers to select items.

Figure 17 is a screen shot of a form for purchasers to optionally select suppliers.

Figure 18 is a screen shot of a form for placing an order.

Figure 19 is a screen shot of a purchaser's order summary form, showing multiple  
10 orders.

Figure 20 shows the flow diagrams of the purchasing and supplier processes involved with the system of the second embodiment.

### **Best Mode of Carrying out the Invention**

15 Referring to the drawings a central location has a database 10 which includes a master list of all items offered for sale 12 through the system, details of registered suppliers 14, details of registered purchasers 16, details 18 of which items on the master are supplied by each of the registered suppliers and the supplier's price or prices for the items and details 20 of purchasers to whom suppliers will supply  
20 goods. Purchasers and suppliers access the database via a network, indicated at 13. In the preferred form suppliers 14 select whether to supply or not to supply each of the registered purchasers 16. However, it is within the scope of the invention for suppliers 14 to select whether to supply specific items to a purchaser.

It is also within the scope of the invention for the system to include a generic "new purchaser", to which suppliers may choose to supply or not.

The administrator of the system compiles the master list 12 of items which it intends to make available through the system.

- 5 Referring to Figures 1 and 3, the administrator 8 has entered basic details 12 of each item and has provided the ability to have three separate prices per item. These are Price A, Price B and Price C. Each supplier 14 may view each item and enter its own product code 24 and prices per unit at 26, 28 and 29. The price to the purchaser ultimately depends on global criteria set by the administrator and/or  
10 specific criteria set by the specific supplier, as will be discussed further. For instance, the administrator may charge a flat "processing fee" for each master order. These supplier/item details may be viewed and updated by the respective supplier.

- Prospective purchasers 16 register and provide details such as company name,  
15 address and contact details 30 (Figure 4). These details 30 are then made available to all suppliers via a supplier/purchaser term form, shown at Figure 4. Each supplier may review each potential purchaser and specify whether to supply the purchaser or not, at 32. The supplier may specify one or more price structures at 34, minimum order value 36, delivery charge 38 and payment terms 40, such as  
20 COD and a customer number 42. These details are also stored in the central database. It will be appreciated that other details may be recorded and that, if desired, supply on an item by item basis to a particular customer can be specified.

- For registered purchasers, on logging on to the system (which identifies the purchaser) a query is run which presents a list of available suppliers to the specific  
25 purchaser, shown in Figure 5. Only those suppliers who have chosen to supply the purchaser are shown. The system allows for "competitive" ordering and/or "direct" ordering, which will be discussed later.

The list of available suppliers is grouped by each broad category of goods derived from a query based on the purchaser's details and available suppliers. Suppliers who have chosen not to supply that particular purchaser are preferably not displayed.

- 5 Referring to Figure 5, the supplier selection screen is divided into "competitive liquor" 50, "competitive dry goods" 52, "combined beer" 54 and "direct ordering" 56 sections. The sections displayed depend on the items selected by the relevant suppliers. The "direct ordering" section includes all suppliers appearing in the other sections.
- 10 At this point the purchaser may choose one or more quotation paths, as detailed below.

#### Competitive

- For each competitive category, suppliers available to the particular purchaser for the relevant group of items are displayed. The purchaser may select one or more of
- 15 the suppliers using the "tick" boxes. In Figure 5 five potential suppliers of liquor are shown but only two are selected. In practice one would expect all suppliers to be selected in a competitive order.

- This selection is sent to the central database and the database program selects and sorts each item so the purchaser obtains the best price per item and/or the best price
- 20 for the entire order. A supplier may provide a low price per item but only on total orders over a certain value. The system may be enabled to calculate the best order total as well as the best item price, particularly if delivery charges are included.

- Since only those suppliers who have items available are available for selection, it is inherent that if all suppliers are selected, the purchaser will obtain prices for all
- 25 desired items. Since an item may only be available from a supplier who is not selected at the supplier selection stage, it is possible for a selected item to be

unavailable from the selected suppliers and there is provision for unavailable items to be so marked.

A list of available items is then presented to the purchaser, without identification of the potential suppliers. If desired the list of items may be further divided by  
5 category to present manageable lists. For example, supplies for hotels may be divided into non-alcoholic beverages, white wines, red wines, beer, liquor, etc. Further sub-categories may be provided as needed.

The list of goods available depends on what items are supplied by the suppliers, whether the suppliers have chosen to supply to the specific purchaser and whether  
10 the purchaser has selected the supplier at the selection screen.

Referring to Figure 6, the purchaser selects items 64 and unit or case quantities 68,66 and delivery requirements 70. The quantities may be case or unit quantities. Since the price per unit depends on the available supplier's price and other criteria such as location, freight charges, etc., no price is shown.

15 As seen in Figure 6, the purchaser is in a screen showing liquors, which have been further divided into sub-groups, such as "Aperitifs and Bitters" 72 and Bourbon 74. These sub-groups are derived from the sub-category field of the product information, shown in Figure 3.

Once the purchaser has completed the selection of items and quantities, the  
20 selection is sent to the central database and the database program selects and sorts each item so the purchaser obtains the best price per item and/or the best price for the entire order. A supplier may provide a low price per item but only on total orders over a certain value or quantity. The system may be enabled to calculate the best order total as well as the best item price, particularly if delivery charges are  
25 included.

Since only those items available from the selected suppliers will be displayed it is inherent that the purchaser will obtain prices for all desired items, even if only one supplier supplies one of the required items.

The system then returns this information to the purchaser for review and  
5 acceptance or rejection at Figure 7, which shows the information regarding a purchaser's various sent orders and pending quotations. This information is preferably stored on the central database and may be viewed by various categories and each order or sub-order may be expanded in detail by clicking on the relevant order. For recurring orders the purchaser may save details of the desired items on  
10 its local computer, or on the central database, so that orders/selected suppliers may be easily placed without the need to again select items and/or suppliers.

Referring to Figure 7, there are shown a number of orders and pending quotations, 80, ordered by date 82. The status of the order/quotation is indicated by the tick or cross in the sent column 84. Placed orders are marked by a tick and pending  
15 quotations by a cross. As can be seen, each sub order 86 has its own status and each individual sub order may be accepted independently of other sub orders in the master order. The master order 88 includes two sub orders 90, 92 of which sub order 90 has been placed whilst sub order 92 has not been placed.

The returned information screen provides the purchaser with the ability to "drill  
20 down" to view details of each sub order and to input order numbers 94 for each supplier sub-order, as well as a master purchaser order number. Upon acceptance of the order or sub orders by the purchaser, this acceptance information is returned to the central database, which processes the order and generates final sub-order forms, one for each supplier with an appropriate list of items to be supplied by that  
25 supplier. Preferably the central database allocates supplier order numbers and returns the completed sub-order information to the purchaser.

Direct

Selection of "direct" suppliers is also made using a screen similar to Figure 5.

In the case of direct ordering, the purchaser selects one or more of the available suppliers. The selection of suppliers for a "direct" order is independent of any  
5 "competitive" order. As seen in Figure 5 the supplier, Australian Independent Wholesalers has been selected at 58 for a direct order and also for a competitive dry goods order at 60. A further supplier - Concept Amenities 62 is also displayed and selected and is one which supplies goods in a category not shown on the screen.

10 When all desired "direct" suppliers have been selected, this information is returned to the central database. The database software obtains a list of available goods from all of the selected suppliers and an item selection screen similar to that shown in Figure 6 is presented. It is to be remembered that at the initial item selection stage all items available to the purchaser are made available for selection, irrespective of  
15 the supplier and availability. The selection of items is then returned to the database which compiles separate quotations for each of the selected "direct suppliers". Since any one supplier may not supply all the desired items, unavailable goods need to be marked.

The central database then returns order/quotation information for each selected  
20 "direct supplier" to the purchaser for confirmation/amendment/rejection, etc., together with a list of unavailable items. In the example shown in Figure 5, at least eleven direct suppliers have been selected, so at least eleven complete and/or incomplete quotations will be returned to the purchaser. As with the competitive ordering system, there is provision for each order to be allocated a purchaser's  
25 order number, etc.,. Upon acceptance of one or more of these quotations, this information is returned, supplier order numbers allocated and the completed order information returned to the purchaser and sent to the supplier.

In the preferred embodiment the purchaser is provided with a list of available suppliers, selects those suppliers and the order type, ie., direct or competitive. The purchaser is then presented with a list of items available from those suppliers. As an alternative, the purchaser may be provided with a list of items before selecting  
5 suppliers.

For the purchaser, once they have registered and been selected by one or more suppliers, on logging on to the system, a list of available items is presented to the purchaser, without identification of the potential suppliers. The list of items available depends on what items are supplied by the suppliers and whether the  
10 suppliers have chosen to supply to the specific purchaser.

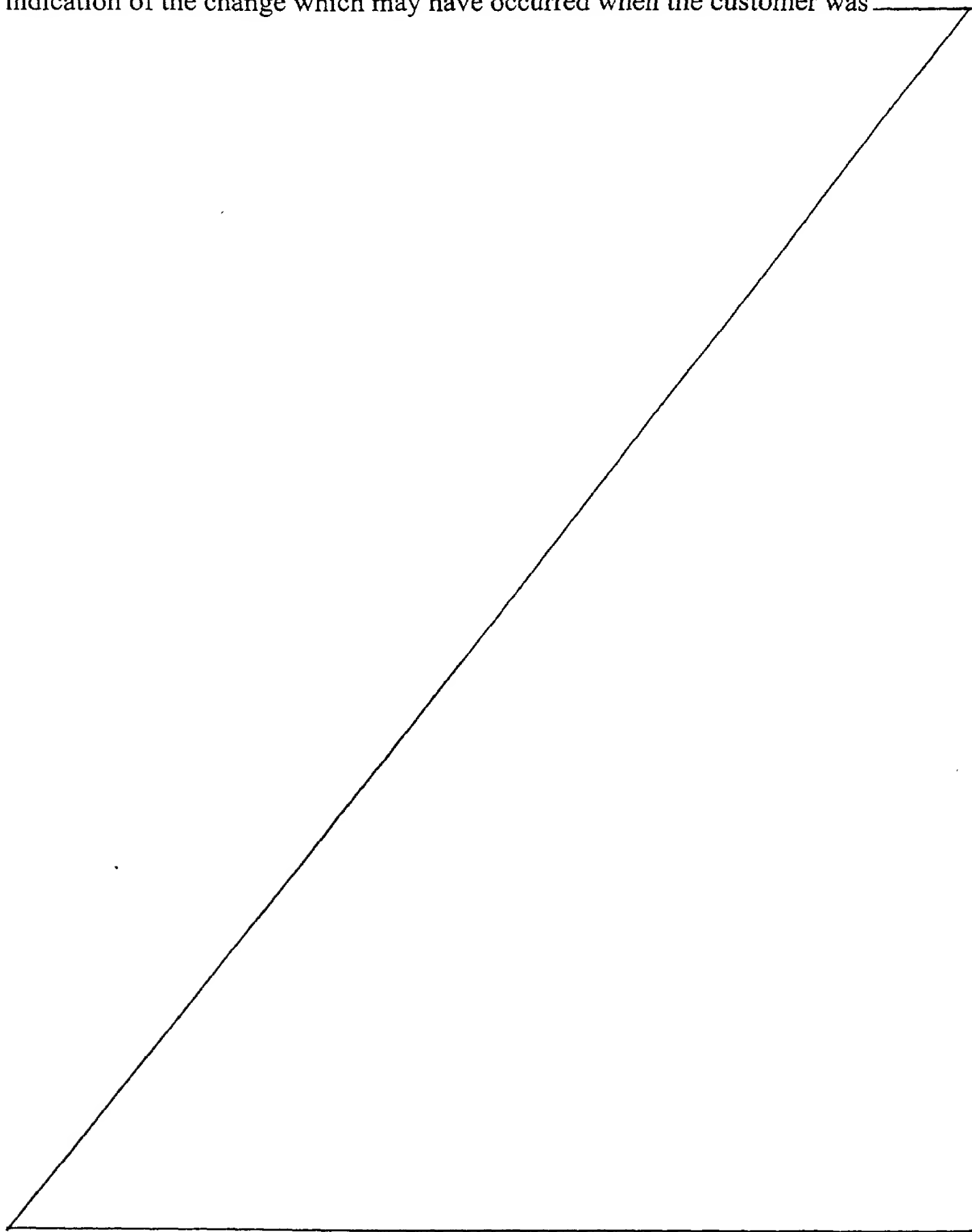
Once the items and quantities required have been selected, the purchaser proceeds to a supplier selection screen similar to that shown in Figure 5. A list of available suppliers for each broad category of goods is provided, again derived from a query based on the purchaser's details, the items requested and available suppliers.  
15 Suppliers who have chosen not to supply to that particular purchaser are preferably not displayed. Similarly, those who have chosen to supply to the particular purchaser but who do not supply any of the items requested would also preferably not be displayed.

The invention includes within its scope the ability for a master purchaser to  
20 represent a group of sub-purchasers to increase the buying power of the group. Each master purchaser would be entered in the central database with multiple "child" sub-purchasers, together with details of those sub-purchasers. When compiling an order, the master purchaser can specify who the true sub-purchaser is to enable delivery directly to the relevant sub-purchasers.

25 The system also includes within its scope an option for suppliers to obtain automatic feedback from known purchasers using the system. For example, a supplier may select one or more particular purchasers to target. Whenever the purchaser logs onto the system, an advertisement referring to that supplier is



presented to the customer. The supplier can get information - perhaps in the form of a graph - of that particular customer's buying pattern with the supplier, with an indication of the change which may have occurred when the customer was



targeted. Consequently, the supplier is given feedback as to the effectiveness of targeting the purchaser and how the purchaser's buying pattern with the supplier has changed.

A modified version of the system will now be discussed with reference to Figures 8  
5 to 20.

- The system of the second embodiment operates in substantially the same manner as the first embodiment but with a number of extra features to provide better functionality. The second embodiment provides the ability for each supplier to set unlimited prices for products, as opposed to only 3 in the first embodiment.
- 10 Referring to Figure 8 there is shown a summary screen for a supplier. This screen shows a subset of products 100. The subset is restricted by optionally using any of combo boxes 102, 104 and 106 for product category, subcategory and brand respectively. For each product the supplier may enter a unit price at 108 for each item. There are also price change boxes 110 and 112 for updating the price and an  
15 update check box 114 to confirm changes. The text box 110 allows one to enter a currency amount to change the price whilst text box 112 allows a percentage change. Obviously only one of the two text boxes per item can be used to update the price. Once all price changes have been made they may be confirmed by checking the check box 114.
- 20 For each product there is a hyperlink labelled "Volume Breaks" which takes the supplier to a form which allows the supplier to enter multiple volumes and associated prices for each product.

Figure 9 shows the form for entering the volume break pricing structure for each item. The product name, unit size and package size are shown at 120, 122 and 124  
25 respectively. A Product is typically supplied individually or in bulk packs. For example, beer may be sold by the bottle or by the case and so for each product one may specify unit prices and package prices. The form of figure 9 shows unit

volume breaks at 126 and package volume breaks at 128. For each group of volume breaks there may be an unlimited number of breaks but for practical purposes one would not usually need more than 20. The minimum quantity required to "qualify" for a volume break is shown at 130 for units and 132 for  
5 packages. The maximum quantities for each volume break are set at 134 for units and 136 for packages. The maximum value for one volume break should be set one integer less than the minimum value of the next volume break so ensure there are no gaps or overlaps in the pricing structure.

The price per unit or package for each volume break is set using text boxes 138,  
10 140 and 142 for units and 144, 146 and 148 for packages. The price for subsequent breaks can be a fixed price also or it may be based on the base price fixed for volume break one. The price may be set as a fixed price by inputting a value into text box 138 or 144, as appropriate. The price may be set as a percentage of the  
15 base price where the base price is a fixed price set using base prices or contract prices by inputting a value into text box 140 or 146, as appropriate. Preferably the percent reduction is entered. Thus entering a value of 2% results in the price being 98% of the base price. The price may be set as a currency reduction of the base price by inputting a value into text box 142 or 148, as appropriate. Thus if the base  
20 price is \$1.50 and an amount of \$0.10 is input in the break's respective text box, the selling price will be reduced to \$1.40.

The system also allows multi-level pricing of delivery charges and the appropriate form is shown at Figure 10.

As can be seen in Figure 10 there are five total order delivery charge bands available at 150, but an unlimited number may be allowed. The delivery bands may  
25 have maximum and minimum quantities set at 152, 154. The quantities may be currency, units or packages and may be selected by the "Measure" option box 156 for each band. The charge applied for each band may be set as a currency value or

a percentage, at 158 or 160 respectively. There is scope for the system to allow entry of both currency and percentage values for each band and to select the currency greater value.

There is also the ability to set delivery charges against line items of an order. Three  
5 options are provided. At 162 one may apply a currency charge or a percent of value charge against units or packages. Currency charges are entered at 164 against units and 166 against packages. Percent of value amounts are entered at 168 against units and 170 against packages. Charges may be applied against units, packages or both.

10 At 172 one may set currency charges per unit at 174 or per package at 176. At 178 one may enter a percentage amount in text box 180 which is applied to the value of all line items, whether units or packages.

The system allows suppliers to select customers to supply and also price bands and delivery times. Referring to Figure 11, there is shown a summary of customers  
15 182, whether the particular supplier will supply each of the customers, shown by use of a tick or cross at 184 and the price structure 186. By selecting each customer, the supplier may set specific terms on a subsequent form, shown at Figure 12.

The form shown in Figure 12 allows the supplier to select whether to supply the  
20 customer, at option group 188, and to grant any special price structure at combo box 190 by selecting any one of an potentially unlimited number price structures. For example a good customer may receive the unit price corresponding to an order of 100 units even if only ordering one unit. At combo box 192 the supplier may set a delivery charge structure for the customer by selecting any one of a potentially  
25 unlimited number of charge structures. At text box 194 and text box 196 the supplier may set a minimum order value. The value set at text box 194 may be currency, units or packages, as set at combo box 196. Finally at 198 delivery cut

off times and cut off days are set using text and combo boxes 200, 202 and 204 respectively.

Ordering by purchaser will now be described with reference to Figures 13 through to 19.

- 5 Referring to Figure 13 the purchaser may select multiple product categories, via appropriate check boxes 210.

Referring to Figure 14 the purchaser has the option of selecting one or more supplier for each product category. Suppliers available to the particular purchaser are grouped by category and may be selected via check boxes 212. Available  
10 suppliers are determined by using an "opt in" or an "opt out" selection method. In an "opt in" system only suppliers who have explicitly chosen to supply the purchaser are displayed whilst in an "opt out" system all suppliers except those who have chosen not to supply the purchaser are shown. Whereas the first embodiment requires the purchaser to select "competitive" or "direct" order query,  
15 the system automatically determines this. If only one supplier is selected for a product category the "direct" route is taken whilst selection of two or more suppliers per category automatically results in the competitive route being taken.

At Figure 15 there is shown a selection screen for suppliers selected at Figure 14. The user may input the maximum splitting of orders per product category, by  
20 inputting a number in the text box 220. If the purchaser has selected, say, five suppliers for beer, then potentially an order could be split into five separate suborders, one to each supplier. Whilst this may result in a nominally lower cost, the costs incurred with receiving multiple orders may result in the effective cost being higher than with fewer sub-orders. Thus the purchaser may limit the number  
25 of sub-orders.

Figure 16 shows the product selection screen for product lists determined by the purchaser's nominated criteria. Products displayed may be limited by the product category filter combo box 230 and the subcategory filter combo box 232.

Quantities of each product required are input into text boxes 234. The check boxes  
5 236, 238 and 240 indicate whether a product has been selected to appear on the given order sheet. A product may appear on zero or more order sheets.

Figure 17 shows a form where a purchaser may optionally select suppliers for a product. All suppliers available to the purchaser are shown at 250. Again this list is based on an "opt in" or "opt out" selection criteria. To limit the purchase of the  
10 particular item to one or more specific suppliers, the user merely selects the desired supplier via the check boxes 252. These selections may be saved for future orders.

After all items have been selected a summary of the proposed purchase is produced and shown at Figure 18.

The form includes buttons to add products 254, save the order for later processing  
15 256, process the order 258, print the order 260, or abort 262.

If the process order button 258 is selected the system processes the order to determine the best price based on all relevant criteria and displays the end result at a form shown at Figure 19. Each supplier selected by the system is shown at 264, with the suborder total 268 and order total at 266. Each suborder may be sent to the  
20 supplier separately. Confirmation of order dispatch is shown at 270.

Figure 20 summarises, in flow chart form, the procedures discussed above for the second embodiment.

It will be appreciated that many modifications and variations may be made to the embodiment described herein by those skilled in the art without departing from the  
25 spirit or scope of the invention.

**Industrial Applicability**

The invention has applicability in the field of ordering, purchasing and supplying products to purchasers.

2007-03-20 14:00:00

## The Claims

1. A system for computerised processing of orders, the system including:
- a) storage means for storing
    - i) a master list of items, each item representing a product or service;
    - ii) supplier details;
    - iii) item sales terms for at least one of the items for at least one of the suppliers;
    - iv) purchaser details, and
    - v) purchaser terms for at least one of the purchasers for at least one of the suppliers;
  - b) receiving means for receiving a purchaser identifier uniquely corresponding to one of the purchasers stored on the storage means;
  - c) item selection criteria generating means for generating item selection criteria;
  - d) extraction means for extracting an item sublist from the master list based on the generated item selection criteria;
  - e) display means for displaying said item sublist to said purchaser;
  - f) input means for selecting one or more desired items on the item sublist and for specifying desired quantities of said selected items;
  - g) supplier selection criteria generating means for generating supplier selection criteria;
  - h) supplier selection means for receiving said desired item information and respective desired quantity information and said supplier



selection criteria for selecting at least one supplier for each of the desired items, based on supplier selection criteria, said desired item information and respective desired quantity information,

i) wherein said supplier selection criteria includes at least one of the following:

i) purchaser supplied criteria;

ii) criteria obtained from the stored item sales terms.

2. The system of claim 1 wherein the item sale terms include any, or all of: whether a particular supplier supplies the respective item, price levels, stock levels, freight charges, geographic limitations on supply.
3. The system of claim 1 wherein the item selection criteria return all available items, whether in stock or not.
4. The system of claim 1 wherein the item selection criteria includes the purchaser details or purchaser terms for at least some of the stored vendors.
5. The system of claim 1 wherein the supplier selection criteria includes purchase details or purchase terms or both.
6. The system of claim 1 wherein the purchaser terms for each supplier/purchaser combination includes any or all of: whether the supplier will supply the purchaser, minimum orders, freight charges, sales terms, price bands.
7. The system of claim 1 wherein the item selection criteria further include restrictions retrieved from the purchaser's purchase terms so as to restrict the items on the available item sublist to those items available from suppliers who have indicated that they will supply the particular purchaser.

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24

8. The system of claim 1 wherein the supplier selection criteria include restrictions retrieved from the purchaser terms.
9. The system of claim 1 wherein the supplier selection criteria result in the selected supplier for a desired item being the supplier with the lowest price per unit of the item.
10. The system of claim 9 wherein the lowest price is the base price or it may be an effective price after allowing for any of the following: freight, available discounts, bonuses.
11. The system of claim 1 wherein the supplier selection criteria includes purchaser supplied criteria and said purchaser supplied criteria includes any or all of the following: a selected supplier, two or more suppliers, suppliers from a specified geographic location or locations, and delivery times.
12. The system of claim 1 wherein the purchaser supplied criteria includes criteria to obtain quotations from two or more suppliers for all items on the desired item list supplied by the respective supplier.
13. The system of claim 1 including means to transmit orders to a selected supplier or suppliers for provision of ordered items.
14. A computerised method for processing orders including:
- a) storing a master list of items, each of which represents a product or service;
  - b) storing supplier details;
  - c) storing item sale terms for at least one of the items for at least one of the suppliers;

- d) extracting a available item sublist from the master list based on item selection criteria;
- e) selecting desired items from the item sublist and providing desired quantities of said selected items;
- 5 f) selecting at least one supplier for each of the desired items based on supplier selection criteria, wherein said supplier selection criteria includes at least one of the following:
- i) purchaser supplied criteria;
  - ii) criteria extracted from items sale terms.
- 10 15. The method of claim 14 wherein the item sale terms include any or all of: whether a particular supplier supplies the respective item, price levels, stock levels, freight charges, geographic limitations on supply.
16. The method of claim 14 wherein the item selection criteria return all available items, whether in stock or not.
- 15 17. The method of claim 14 wherein the item selection criteria includes the purchaser details or purchaser terms for at least some of the stored vendors.
18. The method of claim 14 wherein the supplier selection criteria includes purchase details or purchase terms or both.
19. The method of claim 14 wherein the purchaser terms for each  
20 supplier/purchaser combination includes any or all of: whether the supplier will supply the purchaser, minimum orders, freight charges, sales terms, price bands.
20. The method of claim 14 wherein the item selection criteria further include restrictions retrieved from the purchaser's purchase terms so as to restrict

the items on the available item sublist to those items available from suppliers who have indicated that they will supply the particular purchaser.

21. The method of claim 14 wherein the supplier selection criteria include restrictions retrieved from the purchaser terms.
- 5 22. The method of claim 14 wherein the supplier selection criteria result in the selected supplier for a desired item being the supplier with the lowest price per unit of the item.
23. The method of claim 14 wherein the lowest price is the base price or it may be an effective price after allowing for any of the following: freight,  
10 available discounts, bonuses.
24. The method of claim 14 wherein the supplier selection criteria includes purchaser supplied criteria and said purchaser supplied criteria includes any or all of the following: a selected supplier, two or more suppliers, suppliers from a specified geographic location or locations, and delivery times.
- 15 25. The method of claim 14 wherein the purchaser supplied criteria includes criteria to obtain quotations from two or more suppliers for all items on the desired item list supplied by the respective supplier.
26. The method of claim 14 including means to transmit orders to a selected supplier or suppliers for provision of ordered items.
- 20 27. The method of claim 14 including the step of transmitting orders to a selected supplier or suppliers for provision of ordered items.
28. An on-line system which provides primary data to multiple users, the system including:

- 5
- a) user identity means for storing user identity information relating to each of said users, at least part of which uniquely identifies each user from the other users;
- b) primary data supply means for supplying one or more users with primary data;
- 10
- c) secondary data selection criteria generating means for generating secondary data selection criteria for at least one user;
- d) secondary data supply means for receiving said secondary data selection criteria and for supplying one or more of the users with secondary data concurrently or sequentially with the primary data;
- 15
- e) recording means for recording data relating to the actions of at least one of the users supplied with said secondary data in the on-line system and for recording data relating to what secondary data was supplied to the user or each of said respective users;
- f) wherein said secondary data selection criteria includes information relating to the user identity information.

29. A method of obtaining information on users of an on-line system which provides primary data to users, the method including:

- 20
- a) uniquely identifying users of the system with a unique identifier;
- b) obtaining additional information relating to at least some of the users;
- c) selecting and providing secondary data to users of the system concurrently or sequentially with the primary data;

- d) recording information relating to actions of the users supplied with secondary data and information relating to what secondary data was supplied to each respective user;
- e) wherein the secondary data supplied to each user is selected at least in part using the unique identifier and/or at least part of said additional information.

5

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMPUTERISED ORDERING SYSTEM



(57) Abstract: A central location has a database of goods and/or services available, suppliers, supplier prices and registered purchasers. A purchaser places an order or a request for a quotation with the central location for one or more items. The purchaser may specify one or more specific suppliers for the order or for the specific items of the order or may request a "best price" from all the suppliers. The supplier(s) may be specified before or after item selection. The central database is searched for the best price for each item and a list of items, suppliers and prices is returned to the prospective purchaser which represents the best price for all the specified items.

WO 01/06422 A1

20010125 25503660

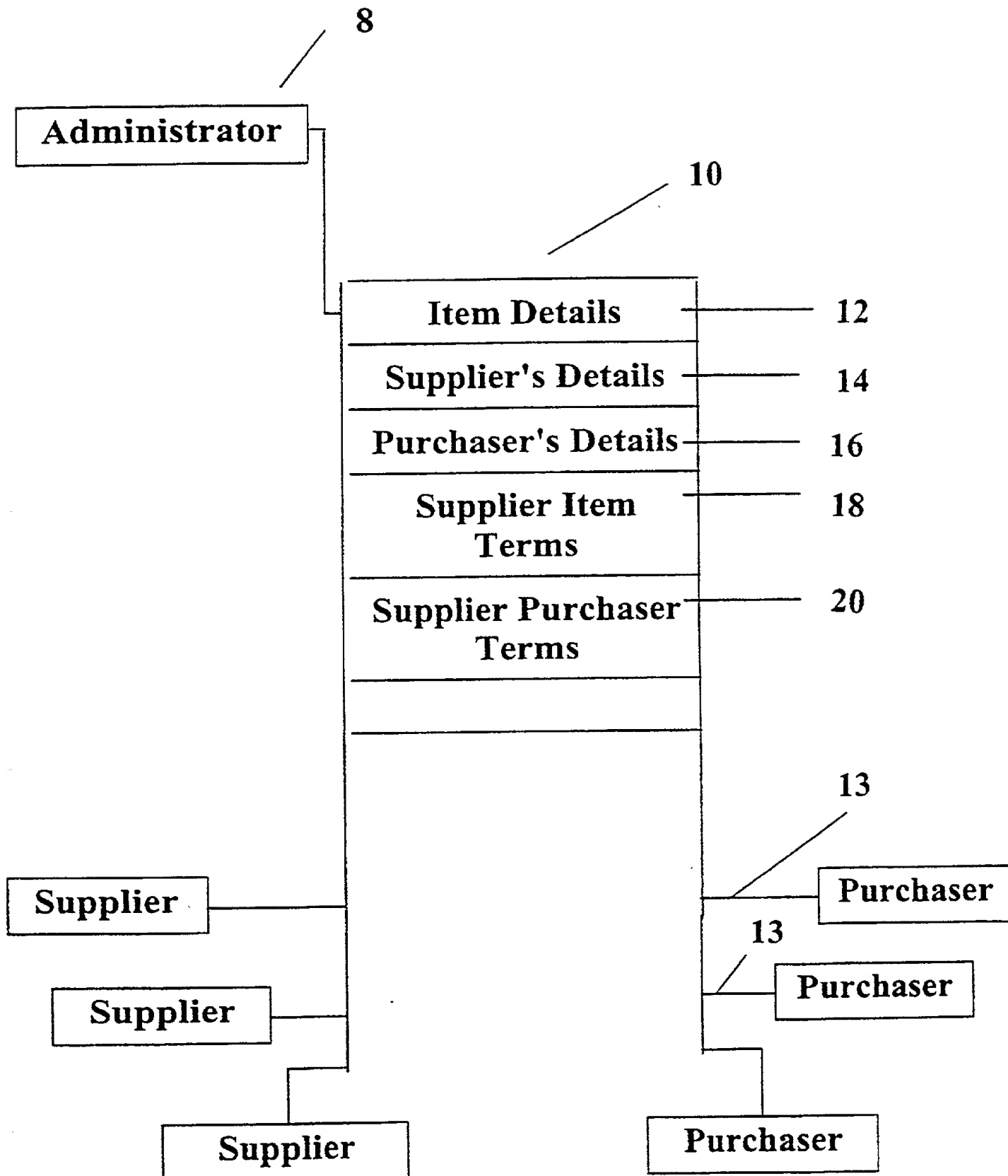


FIGURE 1





FIGURE 2

20

Product Information:		Aperitifs and Bitters	
Category:	Liquor	Sub Category:	
Description:	Angostura Bitters	Generic Title:	
Unit Size:	200	Brand:	
Order Unit:	24/Case	Unit Measurement:	ml

Product Code:		Product Code		24	
Demo Supplier:					

Product Pricing:		Price A		Price B		Price C	
Demo Supplier Unit:		10		12		13	
Demo Supplier Case:		100		120		130	

### FIGURE 3

## Profile:

30

Name:	Demo Purchaser
Street Address:	124 Wattle Street
City / Suburb:	Sydney
State:	NSW
Post Code:	2000
Office Telephone No.:	02 9999 9997
Office Facsimile No.:	02 9999 9998
Delivery Instructions:	Via rear loading dock

## Customer Numbers:

42

Demo Supplier:	54321
----------------	-------

## Customer Profile:

32

Supply this Customer:	<input checked="" type="radio"/> Yes <input type="radio"/> No
-----------------------	---

34

Pricing Structure:	<input type="radio"/> A <input checked="" type="radio"/> B <input type="radio"/> C
--------------------	--

36

Minimum Order:	\$100.00
----------------	----------

38

Delivery Charge:	\$0.00
------------------	--------

40

COD:	<input type="radio"/> Yes <input type="radio"/> No
------	--

FIGURE 4

50

Competitive Liquor:	<input type="checkbox"/> Blue Hills Liquor Distributors <input type="checkbox"/> Demo Supplier <input checked="" type="checkbox"/> Harbottle Brown <input checked="" type="checkbox"/> Independent Consolidated Liquor Wholesalers <input type="checkbox"/> SPHC	
Competitive Dry Goods:	<input checked="" type="checkbox"/> Australian Independent Wholesalers <input checked="" type="checkbox"/> Chippy's Food Distributors <input checked="" type="checkbox"/> Epic Wright Heaton <input checked="" type="checkbox"/> John Lewis Food Service <input checked="" type="checkbox"/> R.M. Smith & Sons	60     52
Combined Beer:	<input checked="" type="checkbox"/> Carlton Special Beverages <input checked="" type="checkbox"/> Carlton & United Breweries <input checked="" type="checkbox"/> Tooheys	54
Fresh Foods List	None Available	
Direct Ordering:	<input checked="" type="checkbox"/> Australian Independent Wholesalers <input type="checkbox"/> Blue Hills Liquor Distributors <input checked="" type="checkbox"/> BPM Trading Co Pty Ltd <input type="checkbox"/> Carlton Special Beverages <input type="checkbox"/> Carlton & United Breweries <input checked="" type="checkbox"/> Chippy's Food Distributors <input checked="" type="checkbox"/> Concept Amenities <input checked="" type="checkbox"/> Demo Supplier <input checked="" type="checkbox"/> Epic Wright Heaton <input type="checkbox"/> Harbottle Brown <input checked="" type="checkbox"/> Independent Consolidated Liquor Wholesalers <input checked="" type="checkbox"/> John Lewis Food Service <input checked="" type="checkbox"/> Martins Australia <input checked="" type="checkbox"/> Office Force <input checked="" type="checkbox"/> R.M. Smith & Sons <input type="checkbox"/> SPHC <input type="checkbox"/> Tooheys	58      62          56

FIGURE 5

SUBSTITUTE SHEET (RULE 26)

RO/AU

2004-03-05 15:00:00

200T50 25503560

WO 01/06422

6/20

09/980552

PCT/AU00/00362

Name:	Demo Purchaser
Address:	124 Wattle Street Sydney, NSW, 2000
Contact:	
Phone Number:	02 9999 9997
Delivery Instructions:	Via rear loading dock
Delivery Day:	Next Delivery Run

70

72

64

66

68

74

SUBSTITUTE SHEET (RULE 26)  
RO/AU

Product Description	Unit Qty	Case Qty
APERITIFS AND BITTERS		
Angostura Bitters 200 ml 24/Case		
Campari & Soda ml 12/case		
Pernod 700 ml 12/case		
Pernod 1 L 12/case		
Pimm's No 1 750 ml 12/case		
Ricard French Aperitif 700 ml 12/case		
BOURBON		
3 Beams Choice 1 L 12/case		
123456 Beams Choice 700 ml 12/Case		

FIGURE 6

82

## 84

## Quick Search

80-0672000-1

\$4,842.56

SUBSTITUTE SHEET (RULE 26)  
RO/AU

## FIGURE 7

102

104

Quick Find Index

Product Category:

Sub Category:

Brand:

106

Structure Name

Catalogue Prices

Structure Code

102

Description	Brand	Product Code	Sell Size	Base Pricing	Fixed Pricing	Change	Change	Lock Changes
100 Anostura Bitters		4857	200 ml	5.00				
Volume Breaks		Special	24 Carton	60.00				
100 Buton rosso antico			750 ml					
Volume Breaks		Special	12 Carton					
Campari		0025365	750 ml	8.50				
Volume Breaks		Special	12 Carton	118.500				
Campari & Soda		111	375 ml					
Volume Breaks		Special	12 Carton					
Dubonnet			750 ml	10				
Volume Breaks		Special	12 Carton	100				

108

110

112

114

FIGURE 8

Volume Breaks - Microsoft Internet Explorer

Product Description: Angostura Bitters

Unit Size: 200 ml Bottle

Package Size: 24 Carton

Lock Volume Breaks: ☐ Yes ☒ No

	Minimum	Maximum	Fixed Price	% Change	\$ Change
Break 1	1	10	0.80		
Break 2	11	50		2	
Break 3	51	9999		5	

	Minimum	Maximum	Fixed Price	% Change	\$ Change
Break 1	1	10	8		
Break 2	11	50			20
Break 3	51	9999			50

FIGURE 9



154 152

Delivery Charges Name	Default
Delivery Charges Code	DF
Codes used so far: DF, DG, WA, SY, AA, NT, NS	

	Minimum	Maximum	Measure	\$ Charge	% Charge
Break 1			<input type="radio"/> Dollars <input type="radio"/> Units <input type="radio"/> Packages		
Break 2			<input type="radio"/> Dollars <input type="radio"/> Units <input type="radio"/> Packages		
Break 3			<input type="radio"/> Dollars <input type="radio"/> Units <input type="radio"/> Packages		
Break 4			<input type="radio"/> Dollars <input type="radio"/> Units <input type="radio"/> Packages		
Break 5			<input type="radio"/> Dollars <input type="radio"/> Units <input type="radio"/> Packages		

Option 1 - Choose charge per unit, package or both.

<input type="checkbox"/> \$	<input type="checkbox"/> %	Delivery charge applied to units
<input type="checkbox"/> \$	<input type="checkbox"/> %	Delivery charge applied to packages.

Option 2 - Calculated charges. Choose one only.

<input type="checkbox"/> \$ per unit	Unit Charge = Dollar Value
<input type="checkbox"/> \$ per package	Package Charge = Dollar Value * Number of Units in Package
<input type="checkbox"/> \$ per package	Package Charge = Dollar Value
<input type="checkbox"/> \$ per package	Unit Charge = Dollar Value / Number of Units in Package

Option 3 - Global

<input type="checkbox"/> %	charge is applied to both units and packages.
----------------------------	---

150

164

166

FIGURE 10

State	City/Suburb	Customer Name	Customer Number	Customer Enabled	Price Structure	Approved By
ACT						
	O Connor					
		<u>Canberra YHA</u>	123	X	Get access to business	184
NSW						
	Arncliffe					
		<u>Hilton Sydney Airport</u>	12345	✓	Catalogue Prices	
		<u>Airport Sydney International Motor Inn</u>		X		
	Ashfield					
		<u>Western Suburbs Leagues Club</u>		X	Jim Beam special	186
	Bankstown					
		<u>Travelodge Bankstown</u>		X	Jim Beam special	
	Blacktown					
		<u>Blacktown Travelodge</u>		X	Manly Pacific Parkoyal	184
			182			

FIGURE 11

Trading Rules:

<b>Supply this Customer</b>	<input checked="" type="radio"/> Yes <input type="radio"/> No		
<b>Pricing Structure</b>	Catalogue Prices		
<b>Delivery Charges Structure</b>	Default		
<b>Order Acceptance</b>	If the order is below 50 Dollars then the system will reject the order. Note: Dollars is the most reliable measure.		
<b>Delivery Times</b>	<b>Delivery Day</b>	<b>Cut-off Time</b>	<b>Cut-off Day</b>
	Sunday AM	<input type="text"/> PM	<input type="text"/>
	PM	<input type="text"/> PM	<input type="text"/>
	Monday AM	<input type="text"/> PM	<input type="text"/>
	PM	5 PM	Friday
	Tuesday AM	<input type="text"/> PM	<input type="text"/>
	PM	<input type="text"/> PM	<input type="text"/>
	Wednesday AM	<input type="text"/> PM	<input type="text"/>
	PM	<input type="text"/> PM	<input type="text"/>
	Thursday AM	<input type="text"/> PM	<input type="text"/>
	PM	<input type="text"/> PM	<input type="text"/>
	Friday AM	<input type="text"/> PM	<input type="text"/>
	PM	<input type="text"/> PM	<input type="text"/>
	Saturday AM	<input type="text"/> PM	<input type="text"/>
PM	<input type="text"/> PM	<input type="text"/>	
<b>COD</b>	<input type="radio"/> Yes <input checked="" type="radio"/> No		

200 202 204

FIGURE 12

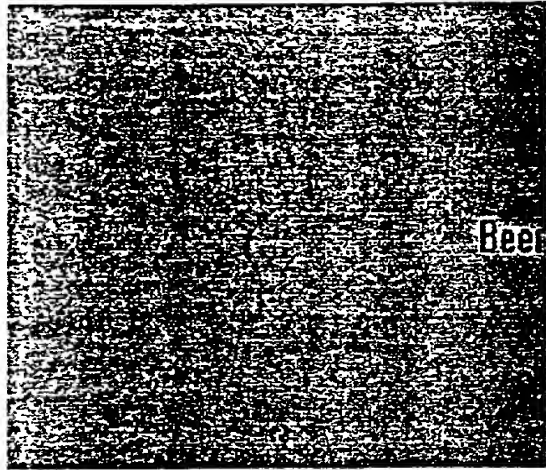


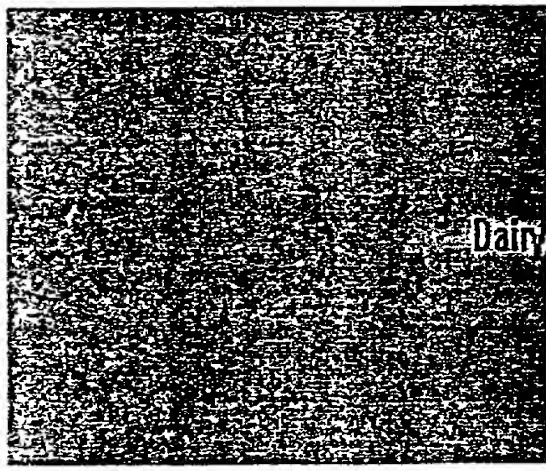
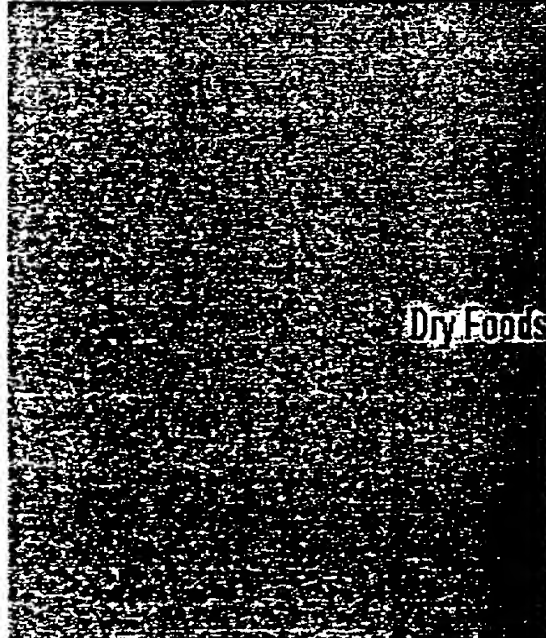
<b>Product Categories:</b>		
<input type="checkbox"/> Bakery	<input checked="" type="checkbox"/> Beer	<input type="checkbox"/> Books and Pads
<input checked="" type="checkbox"/> Books and Paper	<input type="checkbox"/> Canteen and Janitorial Supplies	<input checked="" type="checkbox"/> Computer Supplies
<input type="checkbox"/> Consumables	<input type="checkbox"/> Dairy	<input type="checkbox"/> Diaries and Planners
<input type="checkbox"/> Dry Foods	<input type="checkbox"/> Fresh Foods	<input type="checkbox"/> Frozen Foods
<input type="checkbox"/> Fruit and Vegetables	<input checked="" type="checkbox"/> Furniture	<input checked="" type="checkbox"/> General Office Supplies
<input type="checkbox"/> Guest Supplies	<input checked="" type="checkbox"/> Kitchen and Cleaning	<input checked="" type="checkbox"/> Liquor
<input checked="" type="checkbox"/> Mailing Supplies	<input type="checkbox"/> Meat	<input type="checkbox"/> Medical Supplies
<input checked="" type="checkbox"/> Office Machines	<input type="checkbox"/> Office Machines and Accessories	<input type="checkbox"/> Office Products
<input type="checkbox"/> Paper Supplies	<input type="checkbox"/> Poultry	<input checked="" type="checkbox"/> Presentation Supplies
<input checked="" type="checkbox"/> Printing	<input type="checkbox"/> Seafood	<input type="checkbox"/> Smallgoods
<input type="checkbox"/> St George	<input checked="" type="checkbox"/> Storage, Filing and Desk Accessories	<input type="checkbox"/> Wine - Australian Red
<input type="checkbox"/> Wine - Australian White	<input type="checkbox"/> Wine - Imported	<input type="checkbox"/> Wine - Others
<input type="checkbox"/> Wine - Sparkling and Champagne	<input checked="" type="checkbox"/> Writing and Correction	<input type="checkbox"/> YHA

210

FIGURE 13

## Suppliers Selected:

Note: By selecting a supplier from the lists below you are agreeing to the terms and conditions set by that supplier. To view the list of suppliers click [here](#)

	Maximum number of deliveries to receive: <input type="text" value="3"/> <input checked="" type="checkbox"/> Tooheys <input checked="" type="checkbox"/> Carlton Special Beverages <input checked="" type="checkbox"/> Harbottle Brown <input checked="" type="checkbox"/> Demo Supplier <input checked="" type="checkbox"/> Carlton & United Breweries <input checked="" type="checkbox"/> Blue Hills Liquor Distributors
	<input type="checkbox"/> Blue Star Office
	<input type="checkbox"/> Blue Star Office
	Maximum number of deliveries to receive: <input type="text" value="1"/> <input checked="" type="checkbox"/> Epic Wright Heaton <input type="checkbox"/> R.M. Smith & Sons <input type="checkbox"/> Austrolex <input checked="" type="checkbox"/> ButterFields <input checked="" type="checkbox"/> DDyer <input checked="" type="checkbox"/> Glace
	Maximum number of deliveries to receive: <input type="text" value="3"/> <input checked="" type="checkbox"/> Australian Independent Wholesalers <input type="checkbox"/> Harbottle Brown <input checked="" type="checkbox"/> Epic Wright Heaton <input checked="" type="checkbox"/> John Lewis Food Service <input checked="" type="checkbox"/> Demo Supplier <input type="checkbox"/> Chippy's Food Distributors <input type="checkbox"/> Blue Hills Liquor Distributors <input checked="" type="checkbox"/> R.M. Smith & Sons <input type="checkbox"/> Spacebud Pty Ltd

List Details:

<b>Item Name</b>	<b>Liquor Store</b> •
<b>Quantity</b>	03 •
<b>Order</b>	Codes used so far: 01,02,03,04,05,06,07,08,09,12,14,15,16,17,25,26,33,42,55,56,70,75,76,99
<b>Supplier</b>	Alphabetical ▾
<b>Supplier Name</b>	<input checked="" type="checkbox"/> Administration User <input checked="" type="checkbox"/> Nathan Smith <input type="checkbox"/> Billy Bob <input type="checkbox"/> Tara H <input type="checkbox"/> Gabriella Meloucas <input type="checkbox"/> barbara martin

Supplier Selections:

<b>Supplier Name</b>	Maximum number of deliveries to receive: 4	220
<b>Supplier Name</b>	<input checked="" type="checkbox"/> Tooheys <input type="checkbox"/> Carlton Special Beverages <input type="checkbox"/> Harbottle Brown <input type="checkbox"/> Demo Supplier <input checked="" type="checkbox"/> Carlton & United Breweries <input type="checkbox"/> Blue Hills Liquor Distributors	
<b>Books and Paper</b>	None Available	
<b>Computer Supplies</b>	None Available	
<b>Other</b>	Maximum number of deliveries to receive: 1	
<b>Supplier Name</b>	<input type="checkbox"/> Epic Wright Heaton <input checked="" type="checkbox"/> ButterFields <input checked="" type="checkbox"/> DDyer <input type="checkbox"/> Glace	

FIGURE 15

Product Category: Liquor

Sub Category: Aperitifs and Bitters

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Quick Find Index

Description	Brand	Unit Size	Package Size	Product Code	Par Level	Liquor Store	Grants bar	Dauids Bar	Peter's Liquor Stor
Angostura Bitters		200 ml Bottle	24 Carton	LQ5558					
Bulon rosso antico		750 ml Bottle	12 Carton						
Campari		750 ml Bottle	12 Carton	LQ1001					
Campari & Soda		375 ml Bottle	12 Carton	LQ1003					
Dubonnet		750 ml Bottle	12 Carton	LQ1004					
Fernet Branca		700 ml Bottle	6 Carton	LQ1005					
Gammell Dansk Bitters		700 ml Bottle	12 Carton	LQ1006					
Pernod		1 L Bottle	12 Carton	LQ1008					
Pernod		700 ml Bottle	12 Carton	LQ1007					

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FIGURE 16



Product Information:

Category	Liquor	Sub Category	Aperitifs and Bitters
Description	Angostura Bitters	Brand	
Unit/EAN		Package/EAN	
Unit Generic Title		Package Generic Title	
Unit Size	200	Unit Measure	ml
Unit Name	Bottle		
Units Per Package	24	Package Name	Carton

Product Code:

LQ5558
--------

Suppliers Chosen:

Notes: If you do not select any suppliers then your default settings will be used	<input type="checkbox"/> Carlton Special Beverages
	<input type="checkbox"/> Harbottle Brown
	<input type="checkbox"/> Demo Supplier

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FIGURE 17



262 /  254 /  256 /  258 /  260 /

Name	Demo Purchaser
Customer Number	
Delivery Address	124 Wattle Street Perth, WA, 2000
Contact Name	
Telephone	02 9999 9997
Delivery Instructions	Via rear loading dock
Delivery Day	Next delivery run

Description	Brand	Product Code	Par Level	Unit Size	Unit Qty (Est. Avg. Price)	Package Size	Package Qty (Est. Avg. Price)
Absolut Vodka				700 ml Bottle	(\$26.96)	12 Carton	(\$312.62)
Aegean Ouzo				700 ml Bottle	(\$18.15)	12 Carton	(\$217.49)
Bacardi Mini				50 ml Bottle	(\$2.76)	12 Package	(\$33.19)
Bacardi Rum Gold				750 ml Bottle	(\$25.11)	12 Carton	(\$291.19)
Bacardi Rum Limon				700 ml Bottle	(\$156.86)	12 Carton	(\$291.19)

FIGURE 18

264		266		268		270	
Date Orderd	Supplier	Order No	Value	Delivery Day	Sent	Status	Payment Method
05/06/2000	Toohews	nathan	\$128.10	Next Delivery Run	✓		Account
	Carlton & United Breweries		\$1,175.30	Next Delivery Run	✗		Account
	Total Order		\$1,303.40				
01/06/2000	Harbottle Brown	12365	\$23,569.16	Next Delivery Run	✓		Account
	Total Order		\$23,569.16				
05/10/2000	Harbottle Brown	12134ad	\$30,588.74	Next Delivery Run	✓		Account
	Total Order		\$30,664.43				
	Harbottle Brown		\$99,833.48	Next Delivery Run	✓		Account
	Carlton & United Breweries		\$99.95	Next Delivery Run	✗		Account
	Total Order	12358	\$99,933.44				
	Toohews		\$1,584.68	Next Delivery Run	✗		Account
	Carlton & United Breweries		\$3,777.45	Next Delivery Run	✓		Account
	Total Order		\$5,362.13				

FIGURE 19

## Purchasing Process

## Supplier Process

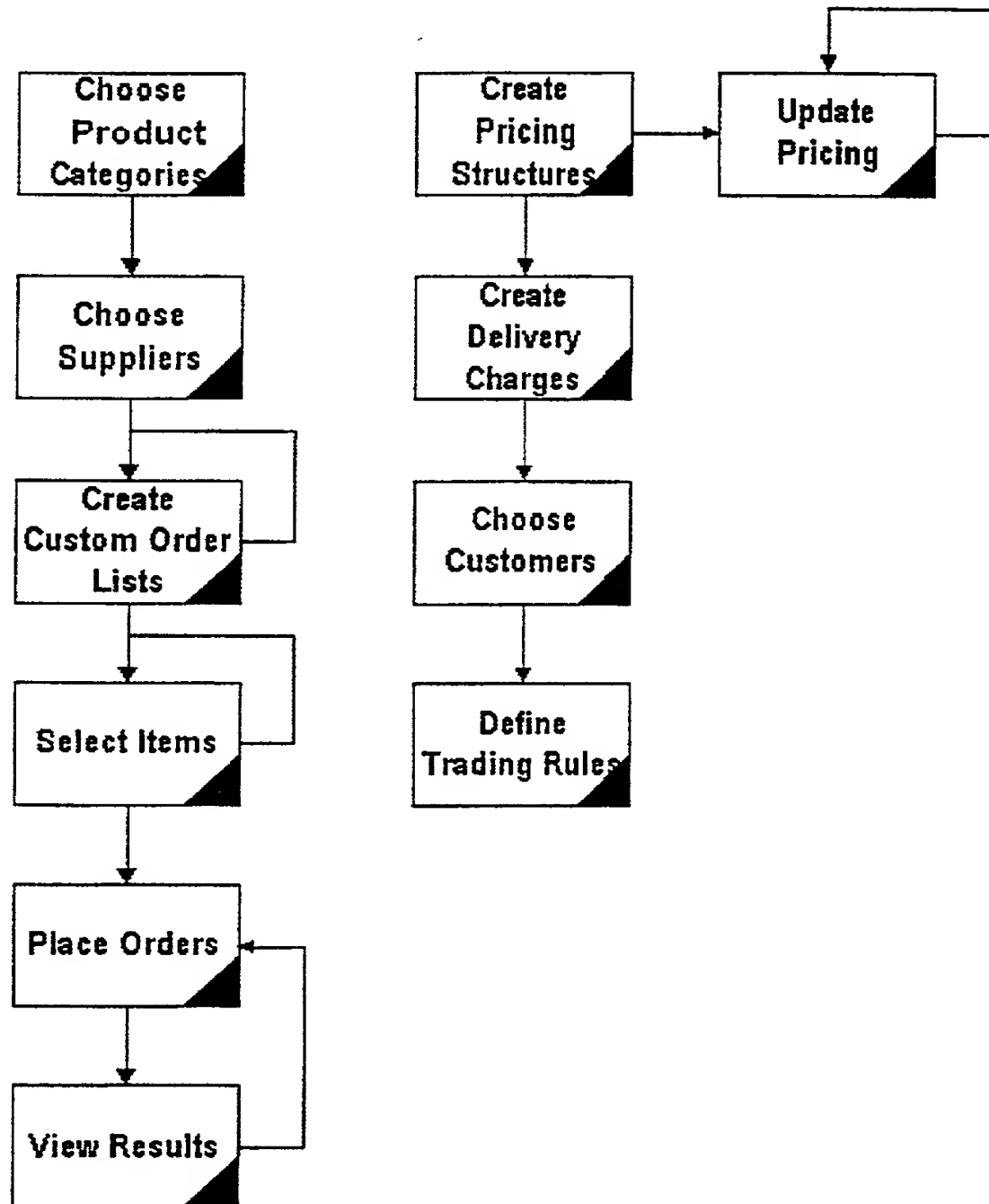


FIGURE 20

**DECLARATION AND POWER  
OF ATTORNEY FOR UTILITY  
OR DESIGN**

**PATENT APPLICATION**

☐ Declaration Submitted with Initial Filing  
☐ Declaration Submitted after Initial Filing (surcharge 37 CFR 1.16(e) required)

Attorney Docket No.

CMM-013

First Named Inventor

Ward

**COMPLETE IF KNOWN**

Application Serial Number

Not yet assigned

Filing Date

Not yet assigned

Group Art Unit

Not yet assigned

Examiner Name

Not yet assigned

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Computerised Ordering System

(Title of the Invention)

the specification of which

☐ is attached hereto  
OR

☒ was filed on  
(MM/DD/YYYY)

April 26, 2000

as United States Application Serial Number or PCT International

Application Number

PCT/AU00/00362

and was amended on (MM/DD/YYYY)

July 12, 2001

May 7, 2001

February 12, 2001

(if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose to the Patent Office all information known by me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information known by me which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, or inventor's certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
PCT/AU00/00362 PP 9969	PCT Australia	April 26, 2000 April 23, 1999	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Serial Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application serial numbers are listed on a supplemental priority data sheet attached hereto.

**DECLARATION – Utility or Design Patent Application**

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c), of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Serial Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet attached hereto.

As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: ☐ Customer Number

OR

☒ Registered practitioner(s) name/registration number listed below

Place Customer  
Number Bar Code  
Label Here

Name	Registration Number	Name	Registration Number
Michael J. Bastian	47,411	Kurt W. Lockwood	40,704
Steven M. Bauer	31,481	Thomas C. Meyers	36,989
Elias C. Behrakis	47,416	Joseph B. Milstein	42,897
John V. Bianco	36,748	David G. Miranda	42,898
Maureen A. Bresnahan	44,559	Ronda P. Moore	44,244
Michael H. Brodowski	41,640	Indranil Mukerji	46,944
Jennifer A. Camacho	43,526	Edmund R. Pitcher	27,829
Joseph A. Capraro, Jr.	36,471	Michael A. Rodriguez	41,274
John J. Cotter	38,116	Jamie H. Rose	45,054
Brian A. Fairchild	P-48,645	R. Stephen Rosenholm	45,283
John V. Forcier	42,545	Christopher W. Stamos	35,370
Steven J. Frank	33,497	Diana M. Steel	43,153
Kia L. Freeman	47,577	Joel Stettenheim	P-48,797
Brian M. Gaff	44,691	Joseph P. Sullivan	45,349
Duncan A. Greenhalgh	38,678	Robert J. Tosti	35,393
William G. Guerin	41,047	Thomas A. Turano	35,722
Jonathan A. Harris	44,744	Christine C. Vito	39,061
Ira V. Heffan	41,059	Patrick R.H. Waller	41,418
Danielle L. Herritt	43,670	Daniel A. Wilson	45,508
Douglas J. Kline	35,574	Gerald E. Worth	45,238
John D. Lanza	40,060	Yin P. Zhang	44,372
<input type="checkbox"/> Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.			

Direct all correspondence to: Patent Administrator  
Testa, Hurwitz & Thibault, LLP  
High Street Tower  
125 High Street  
Boston, MA 02110  
Tel. No.: (617) 248-7000  
Fax No.: (617) 248-7100

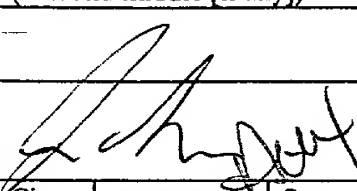
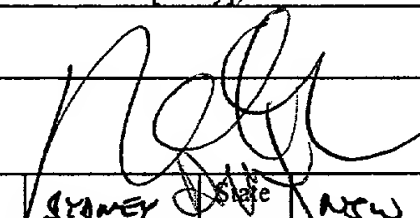
Declaration and Power of Attorney for Utility or Design Patent Application

Serial No.

Atty. Docket No. CMM-013

Page 3 of 3

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Joseph				Ward			
Inventor's Signature						Date	19/04/02
Residence	City	State	Country	Citizenship			
	Sydney	NSW	Australia	Australian			
Mailing Address	Ground Floor, International Business Center, Australian Technology Park						
Mailing Address (ln. 2)	City	State	ZIP	Country			
	Everleigh	New South Wales	1430	Australia			
<input type="checkbox"/> Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) attached hereto.							
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Nathan Sharad				Gyaneshwar			
Inventor's Signature						Date	19/04/02
Residence	City	State	Country	Citizenship			
	Sydney	NSW	Australia	Australian			
Mailing Address	Ground Floor, International Business Center, Australian Technology Park						
Mailing Address (ln. 2)	City	State	ZIP	Country			
	Everleigh	New South Wales	1430	Australia			
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature						Date	
Residence	City	State	Country	Citizenship			
Mailing Address							
Mailing Address (ln. 2)	City	State	ZIP	Country			

## SUMMARY OF FEES DUE:

PTO/PCT Rec'd 10 MAY 2002

Total additional fees required for this application is \$65 for a Small Entity:

- \$65 Late oath or declaration Surcharge.

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

SHELBY J VIGIL

Telephone: (703) 305-3653

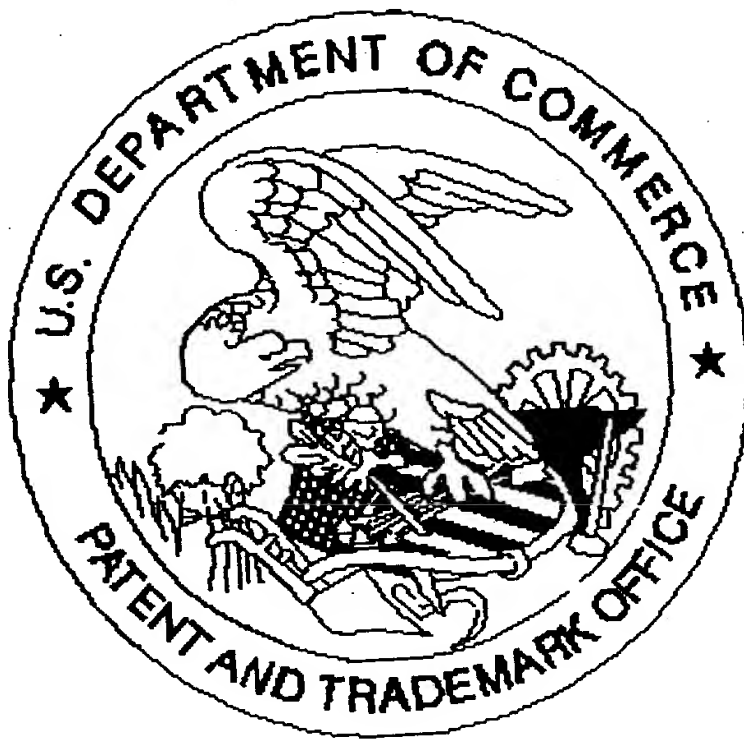
## PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO	INTERNATIONAL APPLICATION NO	ATTY DOCKET NO
09/980,552	PCT/AU00/00362	

FORM PCT/DO/EO/905 (371 Formalities Notice)

2001-50-250860

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☒ Scanned copy is best available. *Some drawings are too dark.*

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